

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (currently amended) ~~A robot autosampler, comprising:~~
~~_____ a probe carriage being movable between a sample source and an electrospray chip holder and comprising at least one fluid delivery probe which accepts sample from the source and discharges sample to a chip in the chip holder;~~
~~an electrospray chip holder; and~~
~~an alignment system which aligns the probe with the chip holder and the chip holder with a detector.~~
A robot autosampler comprising:
 - (a) a housing;
 - (b) a chip holder mounted to the housing;
 - (c) an electrospray chip mounted to the chip holder;
 - (d) a probe carriage mounted to the housing and moveable between a sample source and the electrospray chip;
 - (e) a fluid delivery probe moveable within the probe carriage which accepts sample from the sample source and discharges sample to the electrospray chip;
 - (f) a first voltage applied to the electrospray chip; and
 - (g) a second voltage applied to the fluid sample contained in the delivery probe,
wherein the first and second voltages are controlled to form an electrospray of the fluid sample from the electrospray chip.
2. (currently amended) The robot autosampler of claim 1, wherein the fluid delivery ~~further comprising a voltage probe is~~ electrically insulated from the probe carriage and ~~mounted to said fluid delivery probe.~~
3. (currently amended) The robot autosampler of claim 1, further comprising an alignment system which aligns the fluid delivery probe with the electrospray chip and the electrospray chip with a detector ~~an electrospray chip mounted to said chip holder.~~

4. (currently amended) The robot autosampler of claim ~~[[3]]~~ 1, further comprising a detector in electrospray communication with said electrospray chip.
5. (original) The robot autosampler of claim 4, wherein said detector comprises a mass spectrometer.
6. (original) The robot autosampler of claim 1, wherein said fluid delivery probe comprises a chromatographic column or desalting column.
7. (currently amended) The robot autosampler of claim 1, wherein said fluid delivery probe comprises a capillary tube ~~sample container or larger internal diameter sample container~~.
8. (original) The robot autosampler of claim 1, wherein said fluid delivery probe comprises a reusable probe, disposable probe, reusable tip, or disposable tip.
9. (currently amended) The robot autosampler of claim 1, wherein the first voltage is applied ~~said chip holder provides electrospray voltage~~ to the substrate of the electrospray chip through the chip holder mount.
10. (currently amended) The robot autosampler of claim 1, further comprising a voltage probe electrically insulated from and mounted to said fluid delivery probe ~~wherein said chip holder provides voltage or ground potential to the substrate of the chip, to at least one nozzle to provide or control electrospray~~.
11. (currently amended) The robot autosampler of claim 1, wherein ~~said fluid~~ the second voltage is applied to the fluid sample through the fluid delivery probe ~~provides electrospray voltage to the fluid~~.
12. (currently amended) The robot autosampler of claim ~~[[2]]~~ 10, wherein said voltage probe provides electrospray voltage to the surface of the electrospray chip, independently to individual nozzles, groups of nozzles, or all nozzles at once.

13. (canceled)

14. (canceled)

15. (currently amended) The robot autosampler of claim 1, wherein said fluid delivery probe further comprises a seal which prevents leakage between the probe and the electrospray chip during delivery of the fluid to the electrospray chip.

16. (currently amended) The robot autosampler of claim ~~[[3]]~~ 1, wherein said electrospray chip comprises a plurality of electrospray devices, each generating one or a multiple of electrospray plumes when activated.

17. (currently amended) The robot autosampler of claim ~~[[3]]~~ 1, wherein said electrospray chip comprises multiple electrospray devices grouped in a high-density array, each generating one or a multiple of electrospray plumes when activated.

18. (canceled)

19 - 24 (canceled)

25. (new) The robot autosampler of claim 1, further comprising an array of sample loading devices which holds a plurality of said devices.

26. (new) The robot autosampler of claim 25, wherein said array of sample loading devices comprises an array of pipette tips, syringe tips or capillary tubes.

27. (new) The robot autosampler of claim 26, wherein said pipette tips are in arrays consisting of 96 or 384 tips.

28. (new) The robot autosampler of claim 1, further comprising a sample tray comprising an array of sample wells.

29. (new) The robot autosampler of claim 1, wherein said fluid delivery probe rotates through 90 degrees between the sample source and the electrospray chip.

30. (new) The robot autosampler of claim 25, wherein said sample loading device is pre-loaded with sample.

31. (new) The robot autosampler of claim 1, further comprising a syringe pump or other liquid pump connected to the fluid delivery probe.

32. (new) The robot autosampler of claim 31, wherein said syringe pump or other liquid pump provides fluid to deliver sample to said electrospray chip.

33. (new) The robot autosampler of claim 1, wherein said chip holder is positionable within less than 10 microns.

34. (new) The robot autosampler of claim 1, wherein said fluid delivery probe is aligned to a fixed position accurately to within less than 40 microns.

35. (new) The robot autosampler of claim 1, wherein said housing can move with respect to said detector while electrospraying said sample.